

Goal: ENVIRONMENTAL PROTECTION AND ENHANCEMENT

Desired Community Condition(s)

Air, land and water systems protect health and safety.

Residents participate in caring for the environment and conserving natural resources.

Program Strategy: AIR QUALITY OPERATING GRANTS

5626E

Air quality control strategy implementation, monitoring, and compliance and enforcement

Department: ENVIRONMENTAL HEALTH

Service Activities

Air Pollution Control

Strategy Purpose and Description

The Air Quality Division's mission is to protect and enhance air quality for current and future generations. The Clean Air Act programs include, Title V permitting, air quality monitoring, air pollution control strategies, land use/transportation review, compliance and enforcement. These programs effectively maintain and promote good air quality by addressing impacts of transportation, industry, and community-wide air pollution sources. Services are provided to community citizens, industry, commercial developers, transportation agencies, land use development sectors, state, local, and federal government agencies.

The Division addresses complaints and requests for information expeditiously. All monitoring data is reported to the community routinely in newspapers and through air quality alerts as necessary. Pollen data is also provided to the community from March through October annually as a public service.

Changes and Key Initiatives

A speciation sampler will be purchased, installed and operated to quantitatively measure the "Brown Cloud" and to assist in the development of control strategies.

The 112 accidental release program is being negotiated for funding with EPA. This program will analyze chemical accidental releases in the community and will design response strategies.

Division is engaged in providing near real time meteorological data information to the National Atmospheric Release Advisory Center for emergency preparedness response situations.

A solar device will be installed to enhance the information used in emergency preparedness situations.

The new EPA MOBILE6 motor vehicle emission factor model was released in early 2002 and was approved by the Interagency Consultation Committee for use within Bernalillo County at midyear. This caused the need to revise the Carbon Monoxide Maintenance Plan for Bernalillo County and the effort is expected to be completed in early 2003. Later in the 2003, another State Implementation Plan (SIP) revision will be initiated to address the second ten year period (2006 - 2016) of the Carbon Monoxide Maintenance Plan. The update is due to EPA by June 2004. A new periodic emissions inventory for carbon monoxide will be required. A new Fugitive Dust regulation will be considered by the Air Quality Control Board to help reduce regulated particulate matter and nuisance dust. Significant effort will be placed on developing a Regional Haze SIP. This SIP is required and is intended to address possible impacts to visibility in Federal Class I areas such as San Pedro Parks Wilderness Area and Bandelier National Monument. This effort should help augment efforts to address the "Brown Cloud" in the Middle Rio Grande Valley as well. Effort will be placed on evaluating visibility impairment monitoring data that began to be collected in 2002 to create a visibility index for Bernalillo County.

Priority Objectives

Fiscal Year Priority Objectives

2005	OBJECTIVE 5. Continue to review the background visibility data to develop a baseline for a visibility index that could be used for triggering voluntary measures to reduce haze and pollution. Propose a plan to the Mayor and City Council by the end of FY/05. OBJECTIVE 8. Research and evaluate funding mechanisms for the Pollen Program and provide a report that includes findings and recommendations to the Mayor and City Council by June 30, 2005.
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Input Measure (\$000's)

2001	265	265 OPERATING GRANTS FUND	1,862
2002	265	265 OPERATING GRANTS FUND	1,862

2003	265	265 OPERATING GRANTS FUND	1,920
2004	265	265 OPERATING GRANTS FUND	1,722
2005	265	265 OPERATING GRANTS FUND	1,938

Strategy Outcome	Measure	Year	Project	Mid Year	Actual	Notes
The Air Quality Program implements control strategies and voluntary or regulatory programs to assure compliance with health-based Clean Air Act standards while maintaining the well being of the community.	<i>The Air Quality Control Program will operate an adequate NAMS/SLAMS network that meets all requirements in 40CFR Part 58.</i>	2001	0			
		2002	0			
		2003	0			
The Air Quality Program implements control strategies and voluntary or regulatory programs to assure compliance with health-based Clean Air Act standards while maintaining the well being of the community.		2004	100%			We currently measure eighteen (18) of the 188 pollutants with 100% funding from the US EPA Air Toxics Grant.
		2005	100%			

Strategy Outcome	Measure	Year	Project	Mid Year	Actual	Notes
Inform the community of pollutant levels and trends on a regular basis.	<i>Seven days per week reporting of the Air Pollution Index (API) and five day reporting of pollen levels during the pollen season excluding holidays.</i>	2001	100%			
		2002	100%			

		2003	100%	
Inform the community of pollutant levels and trends on a regular basis.	<i>Seven days per week reporting of the Air Pollution Index (API) and five day reporting of pollen levels during the pollen season excluding holidays.</i>	2004	100%	Measurement goals are dependent on FY 03 grant implementation and operation and equipment
		2005	100%	

Strategy Outcome	Measure	Year	Project	Mid Year	Actual	Notes
Target inspections of major and minor sources pursuant to the air quality targeting strategy and consider priority sectors, areas, etc. as negotiated with EPA Region VI.	<i>All required inspections of stationary industrial and area sources are performed and appropriate enforcement action is taken. All review of transportation plans and projects are conducted to evaluate conformance with regulatory requirements.</i>	2001	100%			
		2002	100%			
		2003	100%			
Target inspections of major and minor sources pursuant to the air quality targeting strategy and consider priority sectors, areas, etc. as negotiated with EPA Region VI.	<i>All required inspections of stationary industrial and area sources are performed and appropriate enforcement action is taken. All review of transportation plans and projects are conducted to evaluate conformance with regulatory requirements.</i>	2004	100%			
		2005	100%			

Goal: ENVIRONMENTAL PROTECTION AND ENHANCEMENT

Parent Program Strategy: AIR QUALITY OPERATING GRANTS

Department: ENVIRONMENTAL HEALTH

Service Activity: Air Pollution Control

5650300

Service Activity Purpose and Description

The Air Quality Division's mission is to protect and enhance air quality for current and future generations. The Clean Air Act programs include, Title V permitting, air quality monitoring, air pollution control strategies, land use/transportation review, compliance and enforcement. These programs effectively maintain and promote good air quality by addressing impacts of transportation, industry, and community-wide air pollution sources. Services are provided to community citizens, industry, commercial developers, transportation agencies, land use development sectors, state, local, and federal government agencies.

The Division addresses complaints and requests for information expeditiously. All monitoring data is reported to the community routinely in newspapers and through air quality alerts as necessary. Pollen data is also provided to the community from March-October as a public service.

Changes and Key Initiatives

Essentially, all prior services are still being provided. Additional pollution sources being created on an ongoing basis include: emergency generators, gas stations, increasing power production, dry cleaners, industrial and manufacturing facilities, woodburning devices, land disturbance, additional motor vehicles, increasing per capita vehicle usage, etc. Regional haze regulations, increased particulate monitoring requirements, and rising ozone levels have occurred in the last year. The Regulatory Development Committee continues to revise the regulatory structure to respond to new federal requirements and to address specific air quality concerns including rising ozone levels, high particulate matter levels, growth and transportation issues.

Input Measure (\$000's)

2002	265	265 OPERATING GRANTS FUND	1,862
2003	265	265 OPERATING GRANTS FUND	1,920
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2005	265	265 OPERATING GRANTS FUND	1,938

Strategic Accomplishments

Successfully incorporate an acoustic sounding device into the ambient air monitoring network to provide an upper air wind and temperature profile for health advisory and office of emergency preparedness forecasting.

Will have annual pollen counts to better inform the public and if funding is made available, expand pollen count to include mole and fungal spore counts.

Provide monthly monitoring data validations.

Utilize nephelometer data in determining no burn calls during the winter advisory season.

The Division will purchase instrumentation to quantitatively measure the "Brown Cloud" and develop control strategies. Ambient air monitoring for East Mountain communities will be implemented to ensure that public health is protected for these residents. Additional funding for this program will be negotiated with EPA. Efforts are in progress to provide real time pollution and pollen data on the website.

<i>Output Measures</i>	<i>Year</i>	<i>Projected</i>	<i>Mid-Year</i>	<i>Actual</i>	<i>Notes</i>
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Implementation of Federally delegated air quality control programs funded by the Environmental Protection Agency (EPA).	2001				
	2002	100%		100%	
	2003	100%	100%		

Output Measures	Year	Projected	Mid-Year	Actual	Notes
Meet EPA Air Pollution Monitoring network data capture requirements.	2001				
	2002	100%		95.5%	EPA requirement is 75% and 90% for ozone. 100% cannot be achieved due to equipment down time for maintenance, calibration, auditing, and precision checks.
Meet or exceed EPA data capture requirements as specified in 40 CFR Part 58.	2003	100%	47%		
	2004	90% ozone, 75% all other	On target		100% cannot be achieved due to out of service periods for equipment maintenance, calibration, audit and precision checks.
	2005	90% ozone, 75% all other			EPA requirement is 90% for ozone and 75% for all other criteria pollutants.

Output Measures	Year	Projected	Mid-Year	Actual	Notes
Meet the EPA industrial source inspection rate requirement.	2001				
	2002	100%			
	2003	100%			
	2004	100%	100% to date		Corrective Action Plan implemented and all major Title V and synthetic minor sources were inspected. Some more than once.
	2005	100%			

Output Measures	Year	Projected	Mid-Year	Actual	Notes
Review of Transportation, Growth, and Planning, Modeling, and Community Interface of projects brought before the Division	2001				
	2002	100%		100%	
	2003	100%	100%		
Review of transportation plans, program, projects, and modeling analyses per federal requirements; community interface.	2004	100%	100% to date		
	2005	100%			

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
% of data being completely quality assured as required by EPA.	2001				
	2002	100%	75 %	75 %	One monitoring technician failed to perform his tasks as assigned due to personal issues the employee had with the City causing the loss of 50% of the data from his assigned monitoring labs. The employee was terminated.
	2003	100%	100%		

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Monitoring data collected and all data quality assured to comply with EPA requirements; complete and implement all quality assurance plans on time.	2001				
	2002	100%	75 %	75 %	A monitoring technician did not perform his assigned duties causing the loss of 50% of the data from his assigned lab sites. Employee was terminated.
	2003	100%	100%		
Monitoring data collected and quality assured to comply with EPA regulations.	2004	100%	100% to date		
	2005	100%			

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Ozone levels as % of Federal Standards (goal is to maintain levels below standards).	2001				
	2002	>100%	>100%	>100%	
	2003	>100%	>50%		
	2004	<100%	91% of standa		
	2005	<100%			

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Provide public outreach and education to all requests entities requesting.	2001				
	2002	100%	100%	100%	

	2003	100%	50%
Provide outreach educational services and technical assistance to requesting entitites (general public, businesses, government agencies, etc) having interests within the COA jurisdiction.	2004	100%	100% to date
	2005	100%	

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Respond to all citizen complaints, concerns, and inquiries within 24 hours.	2001				
	2002	100%	100%	100%	The complaint rate for industrial source pollution was reduced by 80 %. The top soil disturbance complaint rate increase from 60 complaints total for FY01 to 174 complaints for Mid-year 02.
	2003	100%	100%		There is currently no way to measure the twenty-four hour turnaround time, however all complaints were responded to.
	2004	100%	100% to date		
	2005	100%			

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Successfully collect all penalties against industrial violations of regulatory requirements.	2001				
	2002	100%	100%	100%	
	2003	100%			
Collect penalties from industrial violators.	2004	100%	100% to date		
	2005	100%			

Quality Measures	Year	Projected	Mid-Year	Actual	Notes
Evaluate burn/no burn conditions during the months of October through February.	2004	100%	100% to date		
	2005	100%			